

RECEIVED  
5/1/03 MB

Official

#4/Pre A  
MAG  
5/8/03

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application Of

Atty. Docket

MIROSLAV TRAJKOVIC

US010581

Serial No. 09/993,061

Group Art Unit: 2621

Filed: NOVEMBER 5, 2001

Examiner:

Title: METHOD FOR COMPUTING OPTICAL FLOW UNDER THE EPIPOLAR  
CONSTRAINTHonorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231PRELIMINARY AMENDMENT

Sir:

Prior to examination, please enter the following amendment.

IN THE CLAIMS

Please amend the claims as follows:

1. (currently amended) A system for computing optical flow between images within an image sequence comprising:

an image processor processing the image sequence, wherein the image processor:

derives epipolar geometry for the images from point matches between the images; and

computes optical flow for each pixel within at least one of the images under a constraint derived from the epipolar geometry by computing a component of the optical flow using a median.